

EVO-STIK GRIPFILL ADHESIVE
Supersedes Date: 09-Mar-2020

Revision date 10-Mar-2020
Revision Number 3.03

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name EVO-STIK GRIPFILL ADHESIVE
Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Adhesive.
Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited
Common Rd
ST16 3EH
Stafford UK
Tel: +44 (1785) 27 26 25
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom +44 (1785) 272650
Ireland +353 (1) 8624900 (Monday- Friday 9am-5pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|---|---------------------|
| Skin corrosion/irritation | Category 2 - (H315) |
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Specific target organ toxicity (single exposure) | Category 3 - (H336) |
| Chronic aquatic toxicity | Category 3 - (H412) |
| Flammable liquids | Category 2 - (H225) |

2.2. Label Elements

Contains: Xylenes (o-, m-, p- isomers), Acetone, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Hydrocarbons, C6, isoalkanes, <5% n-hexane, Ethylbenzene



Signal word
DANGER

Hazard statements

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H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.
H225 - Highly flammable liquid and vapour.

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves and eye/face protection.
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other Hazards

In use may form flammable/explosive vapour-air mixture

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2. Mixtures

| Chemical name | EC No. | CAS No. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH Registration Number |
|-----------------------------|-----------|-----------|----------|--|------------------------------------|---------------------------|
| Xylenes (o-, m-, p-isomers) | 215-535-7 | 1330-20-7 | 5 - <10 | STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Flam Liq. 3 (H226) Aquatic Chronic | :: | 01-2119488216-32-XXXX |

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| | | | | | |
|--|-----------|----------|---------|---|-----------------------|
| Acetone | 200-662-2 | 67-64-1 | 5 - <10 | 3 (H412) Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225) | 01-2119471330-49-XXXX |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | -- | 5 - <10 | STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225) | 01-2119475515-33-xxxx |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | 931-254-9 | -- | 1 - <5 | STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066) | 01-2119484651-34-XXXX |
| Ethylbenzene | 202-849-4 | 100-41-4 | 1- <2.5 | STOT RE 2 (H373) Asp. Tox. 1 (H304) Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) | 01-2119489370-35-XXXX |

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-----------------------|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist. Get medical attention if irritation develops and persists. |

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| | |
|---|--|
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists. |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water. Drink 1 or 2 glasses of water. Call a doctor or poison control centre immediately. |
| Self-protection of the first aider | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
|-----------------|--|

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|------------------------|------------------------|
| Note to doctors | Treat symptomatically. |
|------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|---|
| Suitable extinguishing media | Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam. |
| Unsuitable extinguishing media | Do not use straight streams. CAUTION: Use of water spray when fighting fire may be inefficient. |

5.2. Special hazards arising from the substance or mixture

| | |
|---|---|
| Specific hazards arising from the chemical | Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Hazardous combustion products | Carbon oxides. |

5.3. Advice for firefighters

| | |
|---|--|
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|---|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|---------------------------------|---|
| Personal precautions | Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. |
| Other information | Ventilate the area. Refer to protective measures listed in Sections 7 and 8. |
| For emergency responders | Use personal protection recommended in Section 8. |

6.2. Environmental precautions

| | |
|----------------------------------|--|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow to enter into soil/subsoil. |
|----------------------------------|--|

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6.3. Methods and material for containment and cleaning up

| | |
|--|---|
| Methods for containment | Dyke far ahead of spill; use dry sand to contain the flow of material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. |
| Methods for cleaning up | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Take up mechanically, placing in appropriate containers for disposal. |
| Prevention of secondary hazards | Eliminate all ignition sources if safe to do so. |

6.4. Reference to other sections

| | |
|------------------------------------|--|
| Reference to other sections | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|---------------------------------------|--|
| Advice on safe handling | Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. |
| General hygiene considerations | Keep away from food, drink and animal feedingstuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------------|--|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. |
|---------------------------|--|

7.3. Specific end use(s)

Specific Use(s)
Adhesive. Bonding agent.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Ireland | United Kingdom |
|---------------|----------------|--------------------------|--------------------------|
| Kaolin | - | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ |

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| | | | |
|--|---|---|---|
| 1332-58-7 Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ * | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Sk* | STEL: 6 mg/m ³ TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 441 mg/m ³ Sk* |
| Acetone 67-64-1 | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3630 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3620 mg/m ³ |
| Ethylbenzene 100-41-4 | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ * | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Sk* | TWA: 100 ppm TWA: 441 mg/m ³ STEL: 125 ppm STEL: 552 mg/m ³ Sk* |

| Chemical name | European Union | Ireland | United Kingdom |
|---|----------------|---------|-------------------------------|
| Xylenes (o-, m-, p- isomers) 1330-20-7 | - | - | 650 mmol/mol creatinine urine |

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL) | |
|---|--|
| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
| Type | Long term Systemic health effects worker |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 180 mg/kg bw/d |

| | |
|--------------------------------|--|
| Type | Long term Systemic health effects worker |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 77 mg/m ³ |

| | |
|--------------------------------|--|
| Type | Short term Local health effects Systemic health effects worker |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 289 mg/m ³ |

| Acetone (67-64-1) | |
|--------------------------------|--|
| Type | Long term Systemic health effects worker |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 186 mg/kg bw/d |

| | |
|--------------------------------|--|
| Type | Short term Local health effects worker |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 2420 mg/m ³ |

| | |
|--------------------------------|--|
| Type | Long term Systemic health effects worker |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 1210 mg/m ³ |

| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (--) | |
|--|--|
| Type | worker Long term Systemic health effects |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 2085 mg/m ³ |

| | |
|--------------------------------|--|
| Type | worker Long term Systemic health effects |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 300 mg/kg bw/d |

| Derived No Effect Level (DNEL) | |
|---------------------------------------|--|
| Acetone (67-64-1) | |

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| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 200 mg/m ³ |

| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 62 mg/kg bw/d |

| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Oral |
| Derived No Effect Level (DNEL) | 62 mg/kg bw/d |

| | |
|--|--|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (--) | |
| Type | Consumer Long term Systemic health effects |
| Exposure route | Inhalation |
| Derived No Effect Level (DNEL) | 447 mg/m ³ |

| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Dermal |
| Derived No Effect Level (DNEL) | 149 mg/kg bw/d |

| | |
|--------------------------------|--|
| Type | Consumer Long term Systemic health effects |
| Exposure route | Oral |
| Derived No Effect Level (DNEL) | 149 mg/kg bw/d |

Predicted No Effect Concentration (PNEC) No information available.

| | |
|---|--|
| Predicted No Effect Concentration (PNEC) | |
| Acetone (67-64-1) | |
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater | 10.6 mg/l |
| Freshwater - intermittent | 21 mg/l |
| Marine water | 1.06 mg/l |
| Microorganisms in sewage treatment | 100 mg/l |
| Freshwater sediment | 30.4 mg/kg dry weight |
| Marine water | 3.04 mg/kg dry weight |
| Soil | 29.5 mg/kg dry weight |

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal Protective Equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

Hand protection Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and body protection Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.

Respiratory protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Colour | No information available |
| Odour | Solvent |
| Odour threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|----------------------------|-------------------------|
| pH | No data available | |
| Melting point / freezing point | No data available | |
| Boiling point / boiling range | = 60 °C | |
| Flash point | -10 °C | |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | Not applicable for liquids | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapour pressure | No data available | |
| Vapour density | No data available | |
| Relative density | No data available | |
| Water solubility | No data available | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | No data available | |
| Decomposition temperature | No data available | |
| Kinematic viscosity | 500 mm ² /s | @ 40°C |
| Dynamic viscosity | No data available | |
| Explosive properties | No data available | |
| Oxidising properties | No data available | |

9.2. Other information

| | |
|-------------------|--------------------------|
| Solid content (%) | No information available |
| VOC Content (%) | approx. 370 g/L |
| Density | 1.18 |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|---------------------------|
| Reactivity | No information available. |
|------------|---------------------------|

10.2. Chemical stability

| | |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

Explosion Data

| | |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | Yes. |

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|-------------------------------|
| Possibility of hazardous reactions | None under normal processing. |
|------------------------------------|-------------------------------|

10.4. Conditions to avoid

| | |
|---------------------|--------------------------|
| Conditions to avoid | Heat, flames and sparks. |
|---------------------|--------------------------|

10.5. Incompatible materials

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Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Eye contact Irritating to eyes. Causes serious eye irritation.

Skin contact Causes skin irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 10,919.10 mg/kg
ATEmix (inhalation-dust/mist) 14.90 mg/l

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|---|--|
| Xylenes (o-, m-, p- isomers) 1330-20-7 | =3500 mg/kg (Rattus) | > 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg (Oryctolagus cuniculus) | =>47635 mg/L (Rattus) 4 h = >5000 ppm (Rattus) 4 h |
| Acetone 67-64-1 | =5800 mg/kg (Rattus) | >15800 mg/Kg (Rattus) | =79 mg/l(Rattus) 4 h |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics -- | LD50 >5840 mg/kg Rat | LD50 >2920 mg/kg (Rattus) | LC50 >23.3 mg/L (4h)(Rat, vapour) (OECD 403) |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane -- | >16750 mg/Kg (Rattus) | >3350 mg/Kg (Oryctolagus cuniculus) OECD 402 | 259354 mg/m ³ (vapour) (rat OECD 403) |
| Ethylbenzene 100-41-4 | =3500 mg/kg (Rattus) | = 15400 mg/kg (Oryctolagus cuniculus) | =17.4 mg/L (Rattus) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to Micro-organisms | Crustacea | M-Factor | M-Factor (long-term) |
|--|---|--|--|---|----------|----------------------|
| Xylenes (o-, m-, p-isomers) 1330-20-7 | - | LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203) | EC50 = 0.0084 mg/L 24 h | EC50 48 h = 3.4 mg/L (Daphnia magna) | | |
| Acetone 67-64-1 | - | LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss) | EC50 = 14500 mg/L 15 min | EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static) | | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics -- | - | - | - | EL50 (48h) = 3mg/L Daphnia | | |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane -- | 13.6 mg/l (Pseudokirchneriella subcapitata) | 18.3 mg/l (Oncorhynchus mykiss) | - | 31.9 mg/l (Daphnia magna) | | |
| Ethylbenzene 100-41-4 | EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static) | EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h | EC50: 1.8 - 2.4mg/L (48h, Daphnia magna) | | |

12.2. Persistence and degradability

Persistence and degradability No information available.

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| Component Information | | | |
|---|---------------|-------|-----------------------|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (--) | | | |
| Method | Exposure time | Value | Results |
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days | 83% | Readily biodegradable |

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) |
|---|-----------------------|-------------------------------|
| Xylenes (o-, m-, p- isomers) 1330-20-7 | 3.15 | 15 |
| Acetone 67-64-1 | -0.24 | 0.69 |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane -- | 3.6 | 501 |
| Ethylbenzene 100-41-4 | 3.2 | 15 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The components in this formulation do not meet the criteria for classification as PBT or vPvB.

| Chemical name | PBT and vPvB assessment |
|---|---------------------------------|
| Xylenes (o-, m-, p- isomers) 1330-20-7 | The substance is not PBT / vPvB |
| Acetone 67-64-1 | The substance is not PBT / vPvB |
| Ethylbenzene 100-41-4 | The substance is not PBT / vPvB |

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

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15 01 10*: Packaging containing residues of or contaminated by dangerous substances

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

Land transport (ADR/RID)

| | |
|---------------------------------|--------------------------|
| 14.1 UN Number | UN1133 |
| 14.2 Proper Shipping Name | Adhesives |
| 14.3 Transport hazard class(es) | 3 |
| Labels | 3 |
| 14.4 Packing Group | II |
| Description | UN1133, Adhesives, 3, II |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | 640C |
| Classification Code | F1 |
| Tunnel restriction code | (D/E) |
| Limited Quantity (LQ) | 5 L |
| ADR Hazard Id (Kemmler Number) | 33 |

IMDG

| | |
|---|--|
| 14.1 UN number | UN1133 |
| 14.2 Proper Shipping Name | Adhesives |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | II |
| Description | UN1133, Adhesives, 3, II, (-10°C c.c.) |
| 14.5 Marine Pollutant | Np |
| 14.6 Special Provisions | None |
| Limited Quantity (LQ) | 5 L |
| EmS-No. | F-E, S-D |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |

Air transport (ICAO-TI / IATA-DGR)

| | |
|---------------------------------|--------------------------|
| 14.1 UN number | UN1133 |
| 14.2 Proper Shipping Name | Adhesives |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | II |
| Description | UN1133, Adhesives, 3, II |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | A3 |
| Limited Quantity (LQ) | 1 L |
| ERG Code | 3L |

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

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Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National Regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking
H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

| | |
|---------|----------------------------------|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Ceiling Limit Value |

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| | |
|---------|---|
| * | Skin designation |
| SVHC | Substance(s) of Very High Concern |
| PBT | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals |
| vPvB | Very Persistent and very Bioaccumulative (vPvB) Chemicals |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| EWC | European Waste Catalogue |

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 10-Mar-2020

Indication of changes

Revision note SDS sections updated: 3.

Training Advice Provide adequate information, instruction, and training for operator

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet